

FIGURE 1

HUMAN NMDAR1 cDNAs

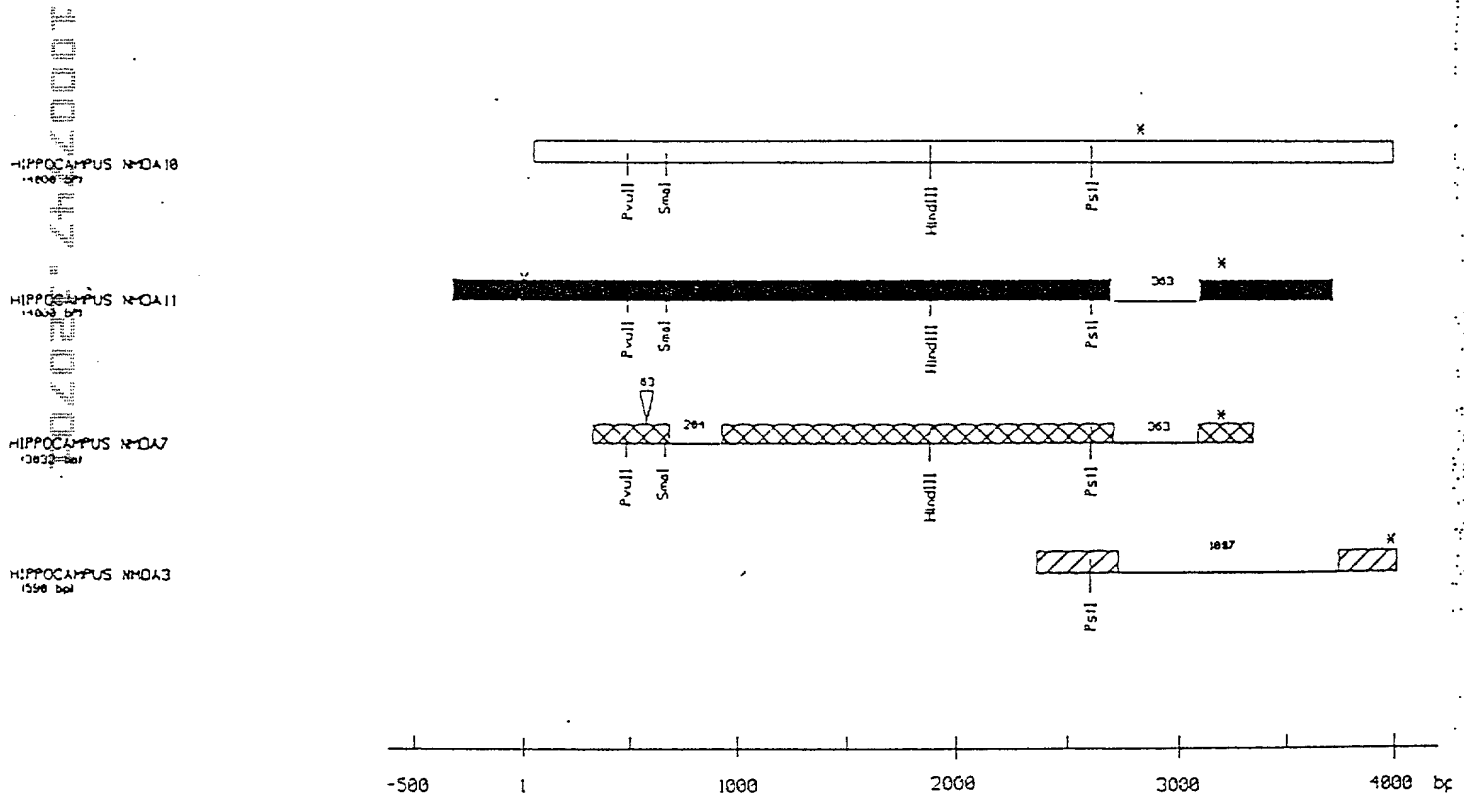
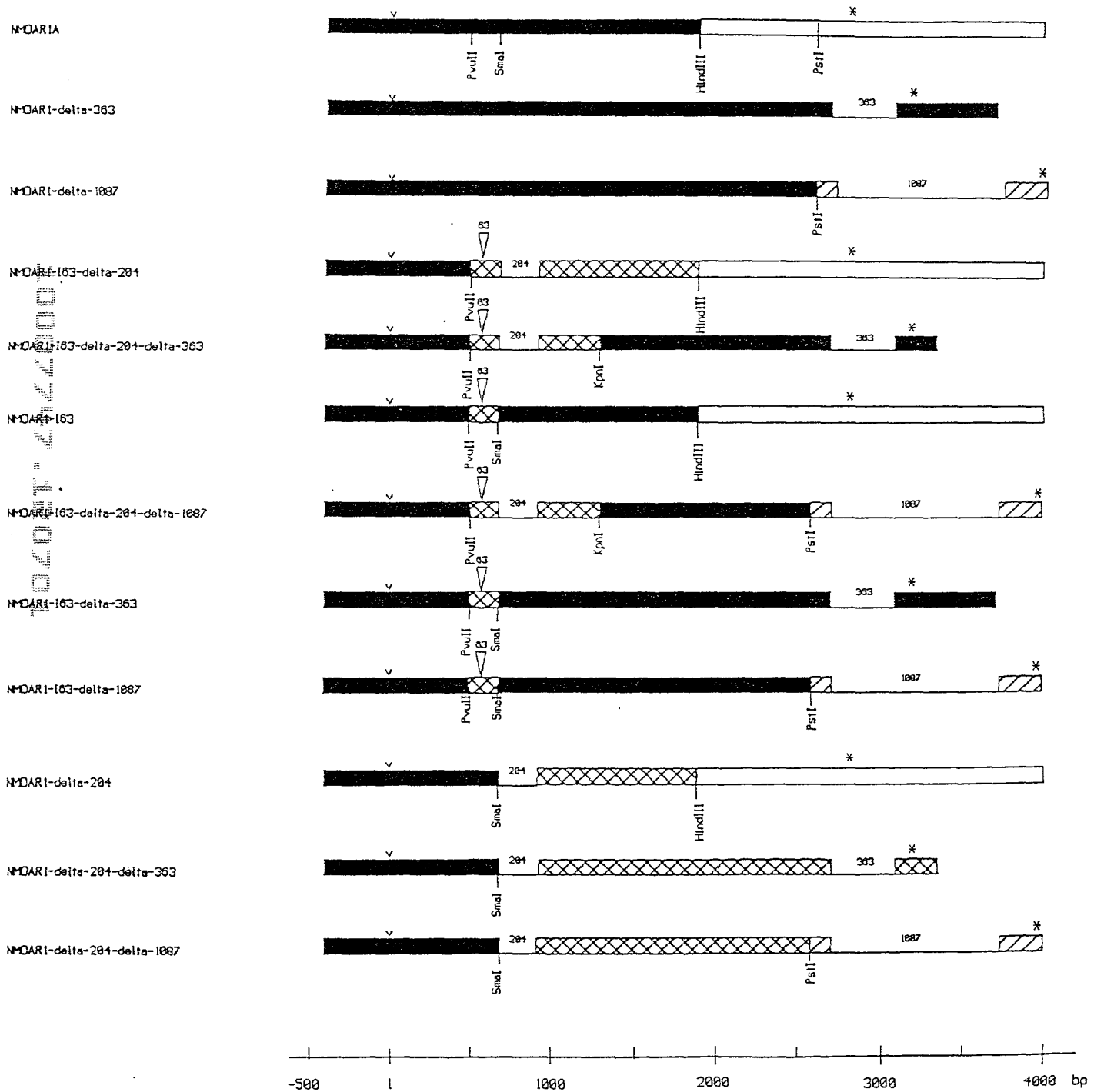


FIGURE 2

HUMAN NMDAR1A CONSTRUCTS



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FIGURE 3

NUCLEOTIDE SEQUENCE OF THE HUMAN NMDARIA RECEPTOR

1 caagccgggc gttcggagct gtgcccggcc cgccttcagc acccgggaca gcgcccggcg cgtggggctg agcggcgagc ccccgcgac gcttcagccc
101 cccctccctc ggcggagctc cggggaccgc cgtccgggg gagacgtggc gtccgcagcc cgcggggccg ggcgagcgca ggcggcccg gaagccccgc
201 gggggatgcg ccgagggccc cgcgttcgcg ccgcgcagag ccaggcccgc ggcggagccc CATGAGCACC ATGCGCTGC TGACGCTCCG CCTGCTGTC
301 TCCTGCTCCG TCGCCCGTGC CGCGTGGAC CCCAAGATCG TCAACATTGG CGCGGTGCTG AGCAGCGGGA AGCAGGAGCA GATGTTCCCG GAGGCGGTGA
401 ACCAGGCCAA CAAGCGGCAC GGCTCTCGGA AGATTACGT CAATGCCACC TCGTCAAGC ACAAGCCCAA CGCATCCAG ATGGCTCTGT CGGTGTGGGA
501 GGACCTCATC TCAGGCCAGG TCTACGCCAT CTAAGTTAGC CATCCACCTA CCCCCAACA CCACTTCACT CCCACCCCTG TCTCTACAC AGCGGGCTTC
601 TACCGCATAC CCGTCTGGG GGTGACCAAC CGCATGTCCA TCTACTCGGA CAAGAGCATC CACCTGAGCT TCCTGCGCAC CGTGGCGCCC TACTCCACCC
701 AGTCCAGCGT GTGGTTTGG ATGATGCTG TCTACAGCTG ^{Pvu II} GAACCAATC ATCTGCTGG TCAGCGACGA CCACGAGGGC CGGGCGGCTC AGAAACGCT
801 GGAGACGCTG GTGGAGGAGC GTGAGTCAA ^{63 bp INSERT} GGCAGAGGAG GTGCTGCAGT TTGACCCAGG GACCAAGAAC GTGACGGCCC TGCTGATGGA GGGGAAAGAG
901 CTGGAGGCCC GGGTCATCAT CTTTCTGCCC AGCGAGGAGC ATGTGCCAC TGTATACCGC GCAGCGCGGA TGCTGAACAT GACCGCTCC GGTACGCTGT
1001 GGCTGCTCGG CGAGCGCGAG ATCTCGGGGA ACGCCCTGCG CTACGCCCCA GACGGCATCC TCGGGCTGCA GTCATCAAG GGCAGAACG AGTCGGCCCA ^{204 bp DELETION}
1101 CATCAGGCAC GCGTGGGGG TGGTGGCCCA GCGCTGCAAC GAGCTCTCG AGAAGGAGA CATCACCGAC CCGCGCGGGG GTCGCTGG CAACCAAC
1201 ATCTGGAAGA CCGGGCCGCT CTTCAAGAGA GTGCTGATGT CTTCCAAGTA TCGGATGGG GTGACTGGT CCGTGGAGTT CAATGAGGAT GGGGACCGGA
1301 AGTTGCCAA CTACAGCATC ATGAACCTGC AGAACCGCAA GCTGGTGCAA GTGGGCATCT ACAATGGCAC CCACGTCATC CCTAATGACA GGAACATCAT
1401 CTGGCCAGGC GGAGAGACAG AGAAGCCTCG AGGGTACCAG ATGTCCACCA GACTGAAGAT TGTGACGATC CACGAGGAGC CTTCTGTGTA CGTCAAGCCC
1501 ACGTGAGTG ATGGGACATG CAAGGAGGAG TTCACAGTCA ACGGCGACCC AGTCAAGAA GTGATCTGCA CCGGGCCCAA CGACACGTCG CCGGGCAGCC
1601 CCGGCCACAC GGTGCCCTAG TGTGCTACG GCTTTTGCAT CGACCTGCTC ATCAAGCTGG CACGGACCAT GAATTACCC TACGAGGTGC ACCTGTGTGC
1701 AGATGGCAAG TTGGGCACAC AGGAGCGGGT GAACAACAGC AACAGAAGG AGTGAATGG GATGATGGG GAGCTGCTCA GCGGGCAGGC AGACATGATC
1801 GTGGCGCGC TAACCATAAA CAACGAGCGC GCGCAGTACA TCGAGTTTC CAAGCCCTTC AAGTACCAGG GCCTGACTAT TGTGGTCAAG AAGGAGATTC
1901 CCGGCGACAC GCTGGACTCG TTATGACAGC CGTTCAGAG CACACTGTGG CTGCTGGTGG GGTGTGCGT GCACGTGGT GCGGTGATGC TGTACCTGCT
2001 GGACCGCTTC AGCCCTTTCG GCGGTTCAA GGTGAACAGC GAGGAGGAGG AGGAGGACGC ACTGACCCCTG TCCTGGGCCA TGTGTTCTC CTGGGGGCTC
2101 CTGCTCAACT CCGGCATCGG GGAAGGCGCC CCCAGAAGCT TCTCAGCGCG CATCTGGCG ATGGTGTGG CCGGCTTTC CATGATCATC GTGGCTCTCT
2201 ACACCGCCAA CCGTGGCGCC TTCCTGGTGC TGGACCGGCC GGAGGAGCGC ATCAGCGGCA TCAACGACCC TCGGTGAGG AACCCCTCGG ACAAGTTAT
2301 CTACGCCAGG GTGAAGCAGA GCTCCGTGGA TATCTACTTC CCGCGCCAGG TGGAGCTGAG CACCATGTAC CGGCATATGG AGAAGCACAA CTACGAGAT
2401 GCGGCGGAGG CCATCCAGGC CGTGAGAGAC AACAGCTGC ATGCCCTCAT CTGGGACTCG GCGGTGCTGG AGTTCGAGGC CTGCGAGAGG TGGACCTGG
2501 TGACGACTGG AGAGCTGTTT TTCCGCTCGG GCTTCGGCAT AGGCAATGCG AAAGACAGCC CCGTGAAGCA GAACGTCTCC CTGTCCATCC TCAAGTCCCA
2601 CGAGAATGGC TTCATGGAAG ACCTGGACAA GACGTGGGTT CGGTATCAGG AATGTGACT GCGCAGCAAC GCGCTGCGA CCGTTACTTT TGAGACATG
2701 GCGCGGGTCT TCATGCTGGT AGCTGGGGC ATGCTGGCGG GGAATCTTCT GATTTTCATC GAGATTGCT ACAAGCGGCA CAAGGATGCT CCGCGGAAGC
2801 AGATGACGCT GCGCTTTCG GCGTTAACG TGTGGCGGAA GAACCTGCGA GATAGAAGA GTGTAAGAGC AGAGCTGAC CCTAAAAAGA AAGCCACAT
2901 TAGGGCTATC ACCTCCACCC TGGCTTCCAG CTTCAAGAGG CGTAGGTCT CCAAAGACAC GAGCAGCGG GGTGGACGG GTGCTTTGCA AAACCAAAA
3001 GACACAGTGC TCGCGCGACG CGCTATTGAG AGGAGAGGAG GCCAGCTGCA GCTGTGTTCC CGTCATAGGG AGAGCTG ^{363 bp DELETION} cccccccccc gcccctctct
3101 gccccctccc ccgcagacag acagacagag ggcggggaca gcggcccgcc ccacgcagag ccccgaggca ccacgggggc gggggaggag cccccccagc
3201 cccccccagg ctgcgctgct ccgcggcgcg gttggccggc tggccggctc accccgctcc ggcggcgcg gtgccccag cgtggggcta acgggagcct
3301 tgtctgtgta tttctatctt gcag ^{1087 bp DELETION} agtac catccactg atatacggg cccgctcaac ctctcagatc cctcggtcag caccgtgggt gggggccccc
3401 ggcggcgccc acctgcccag ttagccggcg caagacact gatgggtcct gctgctcggg aaggcctgag ggaagccccc ccgccccaga gactgcccac
3501 cctggggctc ccgtccgctc gcccggccac ccgctgctc ggcggcgag cctgctgga ccaaggtgag gaccggagcg gctgaggagc gggcagagct
3601 ggtcgggctg ggcaggggcg caggggctc cggcagagcg agggccctg ggtctctgag cagtggggag cgggggctaa ctgccccag ggcggggggc
3701 ttggagcaga gacggcagcc ccacccctc cgcagcaca ccctgagcca cagtggggcc catggcccca gctggctggg tgcggccctc tggggcgct
3801 gcgctctct gcagcctgag ctccacccct cctctctctt gcggcagcg ccacaaaca cccgcttgc ccttgacgc cacacgcggg ggtgggcgct
3901 gcccctccc acggcgctc ctgacttccc agctggcagc gctcccgcc gctcggggc gctcctcca gaacagagc ggtgagccc ctctctctct
4001 cgtccggcct gcagcagaga agggggcctc cccgggggtc cccggagcct ggtcggggac tgtcttcaac cctgcccctg acctggggca cgggagagcg
4101 ccacccggcc gcccggccct tgcctcggg tgcgtgagcg gcccgcacac ttgtacagaa ccagcactcc caggggccga ggcgtgctt tcccctgctg
4201 cagcgcgct ctgccccctc gtccccagg tgcaggcgcg caccgcccaa cccccacctc ccgggtgatg cagtgggct gcctaaagga atgtcacg

FIGURE 4

HUMAN NMDAR2C cDNAs

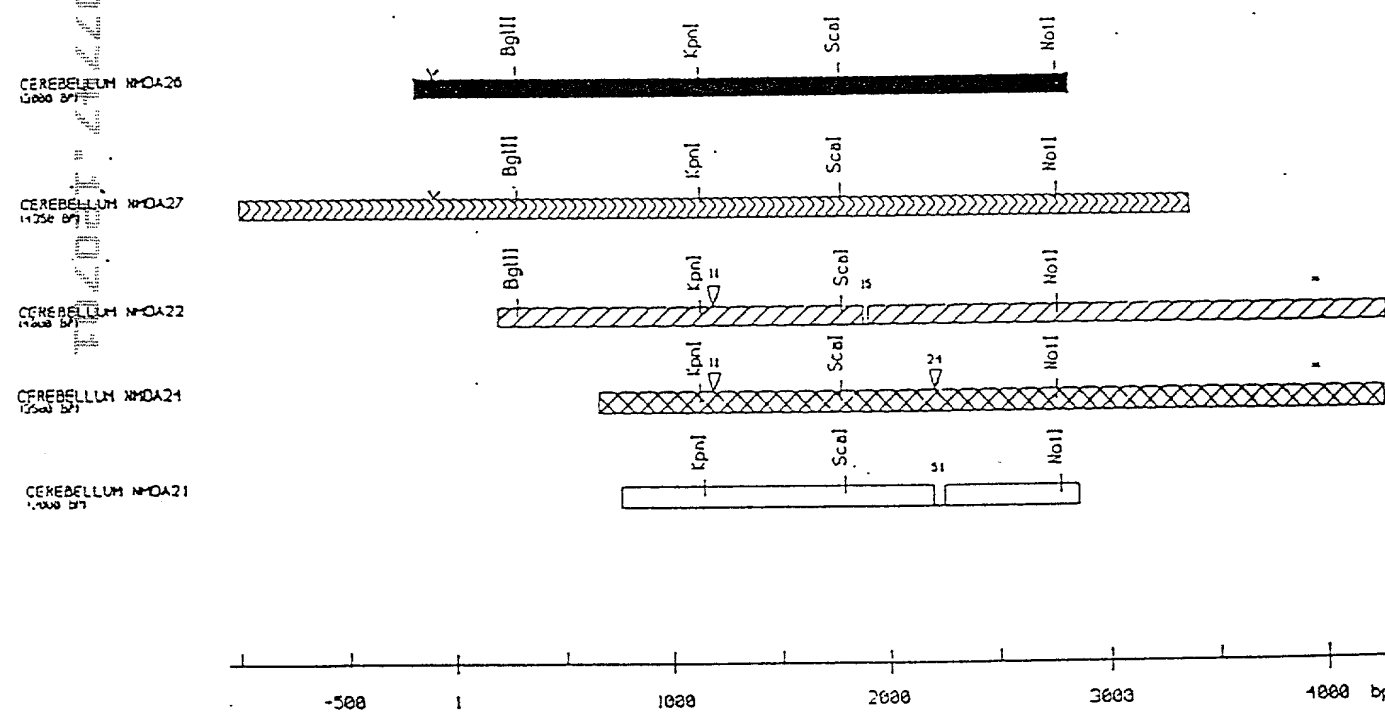


FIGURE 5

CONSTRUCTION OF THE FULL-LENGTH HUMAN NMDAR2C cDNAs

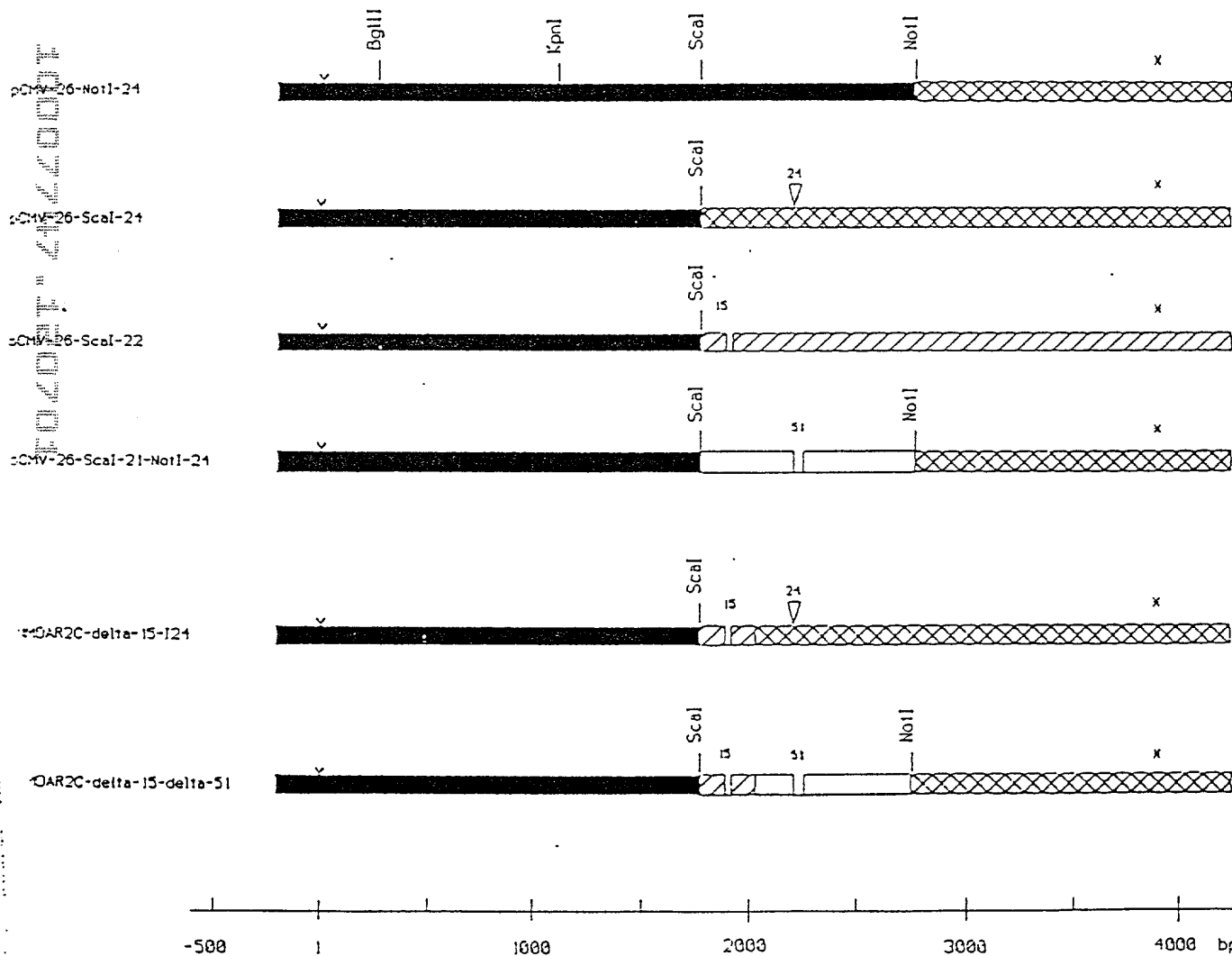


FIGURE 6

